

IN THE CLAIMS:

Please amend claim 2 in "clean" format, as follows:

2. (Amended three times) An X-ray image radiographing method of radiographing an object of a breast, comprising using an X-ray tube having a size D of focal spot defined by the following formula:

$100 \mu\text{m} \leq D \leq 600 \mu\text{m};$

setting a distance R1 between the X-ray tube and an object of a breast so as to be within a range defined by the following formula:

$(D-7)/200 \text{ m} \leq R1 \leq 5 \text{ m};$  and

setting a distance R2 between the object and an X-ray detector so as to be within a range defined by the following formula:

$0.15 \text{ m} \leq R2 \leq 1.4 \text{ m}.$

Please add claim 26, as follows:

26. (Newly Added) The X-ray image radiographing method of claim 2, wherein the distance R1 satisfies the following formula:

$0.7 \text{ m} \leq R2 \leq 5 \text{ m}.$